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DATE MAILED: 09/04/2002

APPLICATION NO. FILING DATE		FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/800,127	03/06/2001	Richard E. Riman	P-24,186 USA	3817
75	90 09/04/2002			
Synnestvedt & Lechner LLP 1101 Market Street 2600 Aramark Tower		EXAMINER		
		٠	LEVY, NEIL S	
Philadelphia, PA 19107-2950		• ,	ART UNIT	PAPER NUMBER
			1616	·

Please find below and/or attached an Office communication concerning this application or proceeding.

	<u> </u>			<u> </u>	·· <u> </u>
	09	Application No. Applicant(s) Applicant(s)			
Office Action Summary		Examiner /	Cong	Group Ant/Unit	6
—The MAILING DATE of this communicati	ion appears	on the cover s	sheet beneath the	correspondence	address
Period for Reply		<	2		
A SHORTENED STATUTORY PERIOD FOR REPLY OF THIS COMMUNICATION.	IS SET TO	EXPIRE	MONTH(	S) FROM THE MA	AILING DATE
<ul> <li>Extensions of time may be available under the provisions from the mailing date of this communication.</li> <li>If the period for reply specified above is less than thirty (3</li> <li>If NO period for reply is specified above, such period shall reply within the set or extended period for reply</li> </ul>	0) days, a reply li, by default, ex	within the statuto	ry minimum of thirty (3 THS from the mailing d	0) days will be consid ate of this communic	lered timely. ation .
Status		(7)		a e	
Responsive to communication(s) filed on	110	100			
☐ This action is FINAL.	<b>,</b>	:		•	
<ul> <li>Since this application is in condition for allowar accordance with the practice under Ex parte Q</li> </ul>				to the merits is c	losed in
Disp sition of Claims	*		•		v.
Claim(s)		· · · · · · · · · · · · · · · · · · ·	is/are	e pending in the ap	pplication.
Of the above claim(s)		•	is/are	withdrawn from o	consideration.
☐ Claim(s)	•.		is/are	e allowed.	
Sclaim(s) 6-20 are	· .		4	e rejected.	
☐ Claim(s)			is/are	objected to.	
a Claim(s) 6-20, 29		· · · · · · · · · · · · · · · · · · ·		ubject to restrictio irement.	n or election
Application Papers					•
☐ See the attached Notice of Draftsperson's Pate	ent Drawing F	Review, PTO-94	18.	• .	
☐ The proposed drawing correction, filed on		is 🗆 appr	roved 🗆 disapprov	ed.	
☐ The drawing(s) filed on is	s/are objected	d to by the Exar	niner.		
☐ The specification is objected to by the Examine	er.		•		
☐ The oath or declaration is objected to by the Ex	xaminer.		• .		
Pri rity under 35 U.S.C. § 119 (a)-(d)		•			-
<ul> <li>□ Acknowledgment is made of a claim for foreign</li> <li>□ All □ Some* □ None of the CERTIFIED</li> <li>□ received.</li> <li>□ received in Application No. (Series Code/Se</li> <li>□ received in this national stage application from the code of the code</li></ul>	copies of the	priority docum	ents have been	 ).	
*Certified copies not received:		•	• •		
Attachment(s)		•	· _, · · · · ·	•	
· ····································		. 2		nmary, PTO-413	
Latermation Disclosure Statement(s), DTO 4444	Donar Nie!	01			
Information Disclosure Statement(s), PTO-1449	9, Paper No(	s)		•	nation DTO 450
Information Disclosure Statement(s), PTO-1449 Notice of Reference(s) Cited, PTO-892  Notice of Draftsperson's Patent Drawing R view	•	s)		rmal Patent Applic	

U. S. Patent and Trademark Office PTO-326 (Rev. 9-97)

Part of Paper No.

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Applicant's election without traverse of Group II, species of calcium hydroxide, magnesium hydroxide and diammonium hydrogen phosphate in Paper No. 5 is acknowledged.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter, which the applicant regards as his invention.

Claims 6-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

It is not clear what limitation is intended by "mechanochemically reacting".

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 6-8, 12-15 and 17 are rejected under 35 U.S.C. 102(b) as being anticipated by Dolci et al WO 0003747.

See pages 12 and 15, Ca substituted Mg in hydroxy apatite is shown, with the instant preparation is shown at page 21.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 6-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over 3archo—4097935 is in view of Ducheyne et al 5830480.

interacted mechanochemically (column 8, lines 11-23). However, Mg oxide, although utilized in preparations. (Column 14) is not explicitly used to replace Ca.

<u>Ducheyne</u> show this procedure, as a sol-gel aqueous treatment (summary, column 2), with Mg replacement (column 4).

It would have been obvious to a person of ordinary skill in the art at the time the invention was made desiring to utilize Sarcho to prove hydroxy apatite to modify as shown by Ducheyne to permit Mg or other ion replacement to improve, for example, conduction properties (column 15, bottom of Jarcho).

The journal article was not present: please provide.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Neil Levy whose telephone number is 308-2412. The examiner can normally be reached on Tuesday- Friday 7:00 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jose Dees can be reached on 308-4628. The fax phone numbers for the

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organization where this application or proceeding is assigned are 305-4556 for regular communications and 305-3592 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 308-1235.

Levy:mv August 28, 2002

> NEILS. LEVY DRIMARY EXAMINER

Medler